



Project No: AFC002001030202
Project: Supplemental RI
Client: AFCEE
Location: Site 24 - Vandenberg AFB
Northing(ft): 2099309.6

Borehole ID: HGL87(24MW31B)
Date: 11/10/2003
Geologist: D. Fortier
Checked By: D. Smith, R.G.
Ground Surface Elevation(ft msl): 459.7
Easting(ft): 5801270.6

SUBSURFACE PROFILE					SAMPLE			Water Level	Remarks
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)		
2		Gravel, sand and silt	FL						
4				456					
4		Poorly graded sand	SP						
6		Light brown, slightly moist, slightly dense, medium grained	SC	454	100	22/15/24	1.5		
8		Clayey sand	SP						
10		Poorly graded sand		449	100	34/30/9	1.6		
12		Clayey sand	SC	447					
14		Poorly graded sand	SP	444					
16		Clayey sand	SC	442	100	47/50 for 2"	1.2		
18		Poorly graded sand							
20			SP		80	24/45/50 for 2"	1.6		
22				436					
24		Clayey sand	SC	434					
26		Clay	CL		100	17/16/25	1.9		
28		Light olive gray to dusky yellow, slightly moist, stiff, trace medium sand, some evidence of fractures in clay		430					
30		Clayey silt	ML	429	100	14/12/22	0.7		
32		Grayish green, moist, moderately stiff, 60% silt / 40% clay	CL	427					
34		Clay							
36		Grayish green, slightly moist, stiff	SP		80	17/23/32	0.6		
38									
40				419	100	24/50 for 4"	0.6		

Set temporary well (screen 20' - 25').
 Insufficient water to sample.

Drilled By: Layne Christensen

Drill Method: Dual Tube Percussion

Drilling Equipment: AP-1000

Sampling Equipment: 2" x 18" CA Mod Split Spoon

HydroGeoLogic, Inc.
4600 Northgate Blvd., Suite 207
Sacramento, CA 95834
(916) 614-8770 FAX (916) 614-8775

Boring Diameter: 10"

Total Depth Drilled: 68'

Sheet: 1 of 2



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Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)		
42		Poorly graded sand Pale yellowish brown, slightly moist, slightly dense, fine grained	GW	414	100				Insufficient moisture for intermediate zone sample. Dry.
44		at 38' 10% fine gravel to 0.2"							
46		Clayey sandy gravel Pale olive, slightly moist, moderately dense, 50% medium to coarse gravel to 0.6", 30% medium to coarse sand / 20% clay	SC	412	100	25/50 for 4"	1.0		
48		at 42' to 45.25' <u>sandy gravel</u> (slightly moist)							
50		Clayey sand Grayish green, slightly moist, moderately dense, 70% medium to coarse sand / 30% clay	CL	408	100	41/50 for 2"	1.6		
52									
54		Gravelly sandy clay Grayish green, slightly moist, moderately stiff, 50% clay / 40% coarse sand / 10% coarse gravel to 0.75"	GW	406					
56									
58		Sandy gravel Grayish green, slightly moist, 60% medium to coarse gravel to 2" / 40% coarse sand	SW	405	100	43/50 for 2"	0.9		
60									
62		Well graded sand with gravel Grayish green, slightly moist, slightly dense, medium to coarse sand with 10% fine gravel to 0.25"	CL	398	50	25/50 for 2"	1.4		
64									
66		Gravelly sandy clay	GW	393	100	31/41/50	1.1		Drilled to 68'. Sampled to 68.5'. Set temporary well (screen from 58' to 68'). Let well recharge overnight. 11/11/2003 Collect groundwater sample (HGL87-GW67)
68									
70		Clayey sandy gravel Grayish green, moist, slightly dense, 20% clay / 30% coarse sand / 50% medium to coarse gravel to 1.5"	Rock	391	100	50 for 5"	0.8		
72		at 64' gravel increase to 4"							
74		Bedrock Brownish gray, slightly moist, hard, fissile, weathered Monterey formation							
76									
78									
80									

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